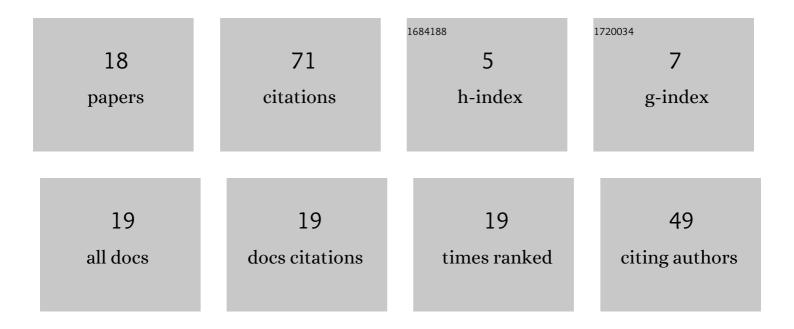
Rosen Mitrev

List of Publications by Year in descending order

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ROSEN MITDEN

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Energy Harvesting With Thermally Induced Vibrations in Shape Memory Alloys by a Constant Temperature Heater. IEEE/ASME Transactions on Mechatronics, 2022, 27, 475-484. | 5.8 | 3 |
| 2 | Multicriteria optimal selection of a hydraulic cylinder for drive mechanisms. FME Transactions, 2021, 49, 501-510. | 1.4 | 0 |
| 3 | Theoretical and Experimental Study of a Thermo-Mechanical Model of a Shape Memory Alloy Actuator Considering Minor Hystereses. Crystals, 2021, 11, 1120. | 2.2 | 6 |
| 4 | Modeling and study of a novel electrothermal oscillator based on shape memory alloys. IOP Conference Series: Materials Science and Engineering, 2020, 878, 012059. | 0.6 | 2 |
| 5 | A Parametric Study of an Electrothermal Oscillator Based on Shape Memory Alloys. , 2020, , . | | 0 |
| 6 | On the Existence of Oscillatory Modes in a Nonlinear System with Hystereses. Differential Equations, 2020, 56, 1081-1099. | 0.7 | 7 |
| 7 | Force analysis and kinematic optimizationof a fluid valve driven by shape memory alloys. Reports in Mechanical Engineering, 2020, 1, 61-76. | 7.7 | 10 |
| 8 | Numerical study of the hydraulic excavator overturning stability during performing lifting operations. Advances in Mechanical Engineering, 2019, 11, 168781401984177. | 1.6 | 6 |
| 9 | Web-based VR Environment for Simulation and Visualization of Construction Manipulator Motion. , 2019, , . | | 1 |
| 10 | Web-based virtual reality for simulation of a heavy manipulator with a freely suspended payload. IOP Conference Series: Materials Science and Engineering, 2019, 664, 012015. | 0.6 | 0 |
| 11 | Qualitative analysis of oscillating magnetomechanical system. IOP Conference Series: Materials Science and Engineering, 2019, 618, 012054. | 0.6 | 5 |
| 12 | CLOUD-BASED EXPERT SYSTEM FOR SYNTHESIS AND EVOLUTIONARY OPTIMIZATION OF PLANAR LINKAGES. Facta Universitatis, Series: Mechanical Engineering, 2018, 16, 139. | 4.6 | 6 |
| 13 | Dynamic behavior of a hydraulic crane operating a freely suspended payload. Journal of Zhejiang University: Science A, 2017, 18, 268-281. | 2.4 | 4 |
| 14 | Dynamical modelling of hydraulic excavator considered as a multibody system. Tehnicki Vjesnik, 2017, 24, . | 0.2 | 4 |
| 15 | A THEORETICAL-EXPERIMENTAL APPROACH FOR ELASTO-DAMPING PARAMETERS ESTIMATION OF CONE INERTIAL CRUSHER MOUNTING. Facta Universitatis, Series: Mechanical Engineering, 2017, 15, 73. | 4.6 | 3 |
| 16 | Web based tool for modeling and simulation of vehicles collisions. , 2014, , . | | 0 |
| 17 | Quantitative measures for assessment of the hydraulic excavator digging efficiency. Journal of Zhejiang University: Science A, 2012, 13, 926-942. | 2.4 | 10 |
| 18 | Mathematical modelling of translational motion of rail-guided cart with suspended payload. Journal of Zhejiang University: Science A, 2007, 8, 1395-1400. | 2.4 | 4 |
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